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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

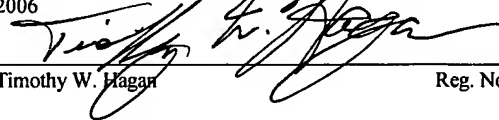
Application of

Applicants : Wooley et al. ✓
Serial No. : 10/569,159 ✓
Filed : February 21, 2006
Title : **RETROVIRAL VECTOR AND CELL-BASED ASSAY FOR
MEASURING THE MUTATION RATE OF RETROVIRUSES
EMPLOYING SAME**
Docket : WRU 0255 PA/40878.341

MAIL STOP AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 on May 17, 2006


Timothy W. Hagan

Reg. No. 29,001

Sir:

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UNDER 37 CFR §§ 1.56, 1.97, AND 1.98

Applicants submit herewith patents, publications, and other information of which they are aware, which they believe may be material, as defined in 37 CFR §1.56(b), to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR §1.56(a). While the information referred to in this Information Disclosure Statement may be material pursuant to 37 CFR §1.56(b), the filing of this Information Disclosure Statement is not intended to, pursuant to 37 CFR §1.97(h), constitute an admission that any patent, publication, or other information referred to is, or is considered to be, material to the patentability of this invention. No representation is made that a reference is "prior art" within the meaning of 35 U.S.C. §§ 102 and 103, and Applicants reserve the right, pursuant to 37 C.F.R. § 1.131 or otherwise, to establish otherwise. Further, pursuant to 37 CFR §1.97(g), the filing of this Statement should not be construed as a statement that a search has been made or that no other material information exists.

A listing of all items of information cited is attached on PTO/SB/08A, and PTO/SB/08B. Copies of the items are enclosed for the convenience of the Examiner.

Serial No. 10/569,159

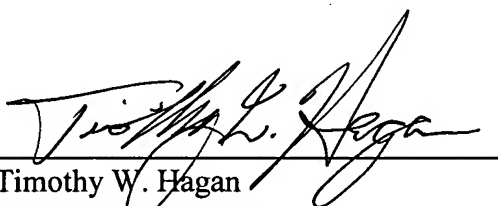
Docket No. WRU 0255 PA/40878.341

This Information Disclosure Statement is being filed within the period set forth in 37 CFR §1.97(b) because it is filed within three months of the filing date of a national application or within three months of the date of entry of the national stage as set forth in 37 CFR §1.491 in an international application.

The Office has waived the requirement pursuant to 37 CFR 1.98 (a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication for all U.S. national patent applications filed after June 30, 2003 and for all international applications that have entered the national stage under 35 USC § 371 after June 30, 2003. Therefore, no copies of each cited U.S. patent and each cited U.S. patent application publication are enclosed, but the cited U.S. patents and the cited U.S. patent application publications are listed on PTO/SB/08A.

Respectfully submitted,
DINSMORE & SHOHL LLP

By


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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/569,159
Filing Date	February 21, 2006
First Named Inventor	Dawn Patricia Wooley
Art Unit	
Examiner Name	
Attorney Docket Number	WRU 0255 PA/40878.341

Sheet 1 of 2

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US-2003/0119764 A1	06-26-2003	Loeb et al.	
		US-2003/0054339 A1	03-20-2003	Smet et al.	
		US-2002/0037500 A1	03-28-2002	Whitcomb	
		US-6,265,152 B1	07-24-2001	Dunn et al.	
		US-6,242,187 B1	06-05-2001	Capon et al.	
		US-6,187,538 B1	02-13-2001	Eastman et al.	
		US-6,063,562	05-16-2000	Melnick et al.	
		US-6,132,776	10-17-2000	Loeb et al.	
		US-6,130,036	10-10-2000	Loeb et al.	
		US-6,063,628	05-16-2000	Loeb et al.	
		US-6,007,983	12-28-1999	Dunn et al.	
		US-5,827,648	10-27-1998	Eastman et al.	
		US-5,665,569	09-09-1997	Ohno	
		US-5,512,431	04-30-1996	Loeb et al.	
		US-			
		US-			
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		WO 02/070731 A2	09-12-2002	Lloyd et al.		
		WO 02/33638 A2	04-25-2002	Dehertogh et al.		

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449/PTO <h2 style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="text-align: center;">(Use as many sheets as necessary)</p>		Complete if Known	
		Application Number	10/569,159
		Filing Date	February 21, 2006
		First Named Inventor	Dawn Patricia Wooley
		Art Unit	
		Examiner Name	
Sheet	2	of	2
		Attorney Docket Number	WRU 0255 PA/40878.341

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		LOUIS M. MANSKY, ERWANN LE ROUZIC, SERGE BENICHO, LISA C. GAJARY, "Influence of Reverse Transcriptase Variants, Drugs, and Vpr on Human Immunodeficiency Virus Type 1 Mutant Frequencies," Journal Of Virology, February 2003, pages 2071-2080, Vol. 77, No. 3, American Society for Microbiology, USA	
		L.A. BIRCHER, J.C. RIGANO, V.G. PONFERRADA, D.P. WOOLEY, "High Fidelity of Homologous Retroviral Recombination in Cell Culture," Archives of Virology, July 22, 2002, pages 1665-1683, USA	
		LOUIS M. MANSKY, SANDRA PREVERAL, LUC SELIG, RICHARD BENAROUS, SERGE BENICHO, "The Interaction of Vpr with Uracil DNA Glycosylase Modulates the Human Immunodeficiency Virus Type 1 In Vivo Mutation Rate," Journal of Virology, August 2000, pages 7039-7047, Vol. 74, No. 15, American Society of Microbiology, USA	
		DAWN P. WOOLEY, LISA A. BIRCHER, RANDALL A. SMITH, "Retroviral Recombination Is Nonrandom and Sequence Dependent," Article No. VY989052, January 23, 1998, pages 229-234, Academic Press, USA	
		JEFFREY A. ANDERSON, ELLA HARVEY BOWMAN, WEI-SHAU HU, "Retroviral Recombination Rates Do Not Increase Linearly with Marker Distance and Are Limited by the Size of the Recombining Subpopulation," Journal Of Virology, February 1998, pages 1195-1202, Vol. 72, No. 2, American Society of Microbiology, USA	
		LOUIS M. MANSKY, HOWARD M. TEMIN, "Lower In Vivo Mutation Rate of Human Immunodeficiency Virus Type 1 than That Predicted from the Fidelity of Purified Reverse Transcriptase," Journal of Virology, August 1995, pages 5087-5094, Vol. 69, No. 8, American Society for Microbiology, USA	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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